

AMENDMENTS TO THE CLAIMS:

Claim 1 (previously presented): An expanded-graphite sheet with a thermal conductivity of $350 \text{ W/(m}\cdot\text{K)}$ or more in a direction parallel to the surface, said expanded-graphite sheet principally comprising expanded-graphite obtained by heat-treating and thereby expanding graphite.

Claim 2 (currently amended): An expanded-graphite sheet with a thermal conductivity of $350 \text{ W/(m}\cdot\text{K)}$ or more in a direction parallel to the surface, ~~said expanded-graphite sheet principally comprising expanded-graphite obtained by heat treating and thereby expanding graphite comprising natural graphite or kish-graphite~~, said expanded-graphite sheet having an arithmetic mean surface roughness of less than $5\mu\text{m}$.

Claim 3 (currently amended): An expanded-graphite sheet with a thermal conductivity of $350 \text{ W/(m}\cdot\text{K)}$ or more in a direction parallel to the surface, ~~said expanded-graphite sheet principally comprising expanded-graphite obtained by heat treating and thereby expanding graphite comprising natural graphite or kish-graphite~~ wherein the difference between the highest and lowest values of local thermal conductivities at various spots on the expanded-graphite sheet is 10% or less of the overall mean thermal conductivity thereof.

Claim 4 (original): The expanded-graphite sheet of claim 2 wherein the difference between the highest and lowest values of local thermal conductivities at various spots on the expanded-graphite sheet is 10% or less of the overall mean thermal conductivity thereof.

Claim 5 (original): The expanded-graphite sheet of claim 1 having an electromagnetic-wave-shielding effect of $60\text{dB}\mu\text{V/m}$ or more in the frequency range of 100-800 MHz.

Claim 6 (original): The expanded-graphite sheet of claim 2 having an electromagnetic-wave-shielding effect of $60\text{dB}\mu\text{V/m}$ or more in the frequency range of 100-800 MHz.

Claim 7 (original): The expanded-graphite sheet of claim 3 having an electromagnetic-wave-shielding effect of 60dB μ V/m or more in the frequency range of 100-800 MHz.

Claim 8 (original): The expanded-graphite sheet of claim 4 having an electromagnetic-wave-shielding effect of 60dB μ V/m or more in the frequency range of 100-800 MHz.

Claim 9 (original): The expanded-graphite sheet of claim 1 with a total impurity content of 10 ppm or less.

Claim 10 (original): The expanded-graphite sheet of claim 2 with a total impurity content of 10 ppm or less.

Claim 11 (original): The expanded-graphite sheet of claim 3 with a total impurity content of 10 ppm or less.

Claim 12 (original): The expanded-graphite sheet of claim 4 with a total impurity content of 10 ppm or less.

Claim 13 (original): The expanded-graphite sheet of claim 1 with a bulk density of 1.6 Mg/m³ or more.

Claim 14 (original): The expanded-graphite sheet of claim 2 with a bulk density of 1.6 Mg/m³ or more.

Claim 15 (original): The expanded-graphite sheet of claim 3 with a bulk density of 1.6 Mg/m³ or more.

Claim 16 (original): The expanded-graphite sheet of claim 4 with a bulk density of 1.6

Mg/m³ or more.

Claim 17 (previously presented): The expanded-graphite sheet of claim 1 wherein said expanded-graphite sheet principally comprises expanded-graphite obtained by heat-treating and thereby expanding graphite of one or more kinds selected from the group consisting of natural graphite and kish graphite which has been soaked in a liquid.

Claim 18 (previously presented): The expanded-graphite sheet of claim 2 wherein said expanded-graphite sheet principally comprises expanded-graphite obtained by heat-treating and thereby expanding graphite of one or more kinds selected from the group consisting of natural graphite and kish graphite which has been soaked in a liquid, said expanded-graphite sheet having an arithmetic mean surface roughness of less than 5 μ m.

Claim 19 (previously presented): The expanded-graphite sheet of claim 3 wherein said expanded-graphite sheet principally comprises expanded-graphite obtained by heat-treating and thereby expanding graphite of one or more kinds selected from the group consisting of natural graphite and kish graphite which has been soaked in a liquid wherein the difference between the highest and lowest values of local thermal conductivities at various spots on the expanded-graphite sheet is 10% or less of the overall mean thermal conductivity thereof.